
APPENDIX E

Community Liaison & Advisory Committee (CLAC) Meeting Minutes

Clean Harbors Canada, Inc.

2016 Annual Landfill Report



**COMMUNITY LIAISON & ADVISORY COMMITTEE
MEETING MINUTES**

February 16, 2016.

Lambton Facility Board Room

Attendees:

*Brian Murphy
Bill Allingham
Dave Robinson
Jim Elliott
Barry White
Paul Vandersteen*

*Neighbour
Neighbour
Neighbour
Neighbour
Neighbour
Neighbour*

Tracy Kingston

St. Clair Township Councillor

*Devon Jamieson
Jim Brown
John McDonald
Erica Carabott
Mike Parker*

*Clean Harbors, Facility Administrator (Secretary)
Clean Harbors, General Manager, Incinerator
Clean Harbors, General Manager, Landfill
Clean Harbors, Facility Compliance Manager (Chair of meeting)
Clean Harbors, Director of Compliance (Chair)*

Don Hayes

Ministry of the Environment, Provincial Officer

Regrets:

Peter Gilliland

St. Clair Township Deputy Mayor

Guests:

N/A

1. Welcome

- The meeting was called to order at 5:15 pm.

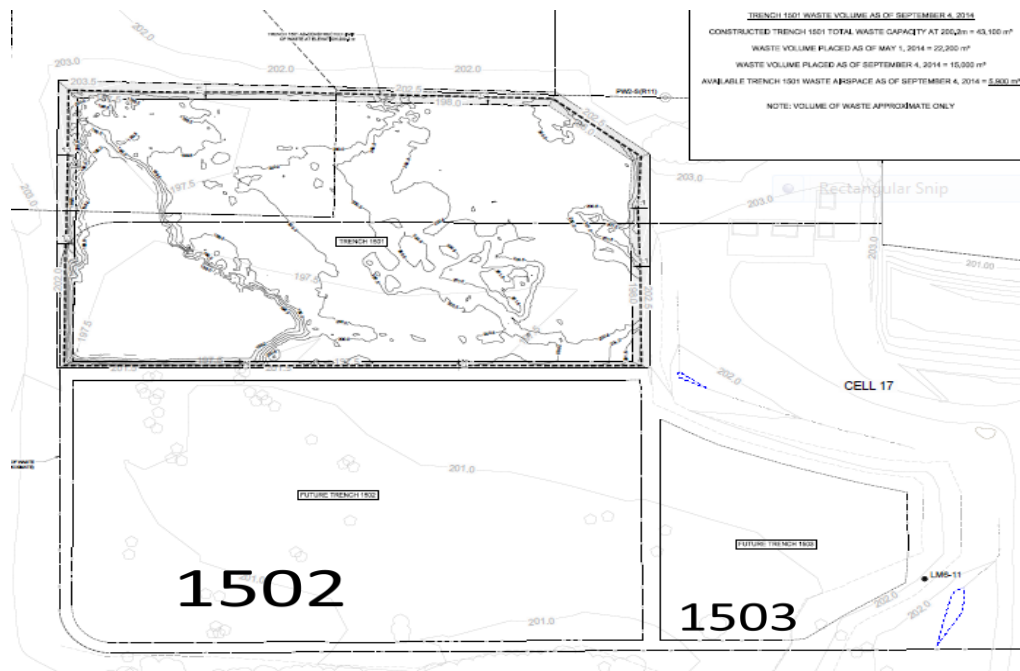
2. Minutes from Last meeting

- Minutes from November 2015 meeting were approved by Bill Allingham, seconded by Brian Murphy and agreed upon by the committee.

3. Facility Updates – (Presentations were made)

Landfill: John McDonald

- 1503 (final cell) is full, finalizing the capping in better weather.
- On January 20th, we began landfilling in the new landfill.
- In Cell 19-1-1, A meter of non debris waste across the entire surface of the cell is being constructed now before we can start piling the waste onto the landfill.
- The geo-membrane with a layer of stone is underneath this meter of waste.
- Cell 19-1-2 still needs stone and the membrane placed on top.



- The leachate collection systems consist of 5 wells that are located around cell 19-1-1.
- These wells flow into the 15ft trench which is what brings the leachate up for incineration.
- There was a vault installed underground that pipes all of the leachate over to the incinerator from the wells.
- The leachate collection system is automated and can be manually controlled to tell it at what level to start pumping.
- The new waste receiving area pits located behind the TDU made of 1" thick steel and are 5 meters capacity. They are complete and ready for use.
- The pits will have yearly visual inspections after a clean out.
- Receipt volumes are currently down for incoming waste to the landfill.

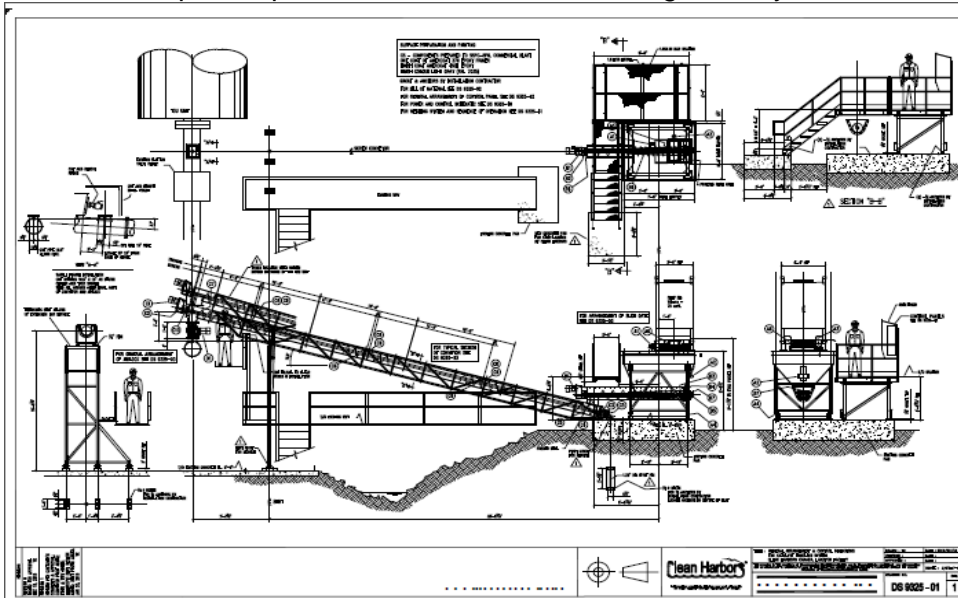
Incineration: Jim Brown

- Incinerator is running well, very few issues, a couple AWFSO's, no odour complaints and decent throughput.
- The mild winter has made operations run smoother then last winter, less freezing of waste (especially trucks coming from more than a few hours away).

- We have had two -one day shut downs to wash solids from Spray Dryer and Duct to baghouse so far this year.
- These have been scheduled around the weather and we have been able to do them when weather is above freezing, which is safer and saves a bit of time.
- We have scheduled one more wash day before our multi day shutdown, looking at the week of February 29/16.
- We will also have a multi-day shutdown scheduled for April 2 to 9, 2016.
- This will be the typical, removal of slag from incinerator & hopper, replace refractory in quench section, inspect and replace any worn refractory in primary.
- Inspect baghouse and replace any worn bags.
- Our new Fuel Storage tanks have been commissioned as of Feb 10/16.
- All piping and tanks have passed the TSSA (Technical Safety Standards Authority) inspections.
- We are filling the tanks as the waste comes in now.
- The new tanks we allow us to blend larger quantities and do a larger range of fuels.

Thermal Desorber: John McDonald

- Some new capital improvements that we are looking at this year is the catalyst feed system.



- Also looking to upgrade the baghouse. There is currently not enough velocity through the current baghouse for what we are doing. There was some findings of buildup in the piping so eliminating some of the elbows (twists and turns) should eliminate this problem.
- A new lamella sludge handling system is also being looked at. A trial rotary screen that squeezed the mud to filter the lamella was used late 2015.
- Lamella is the liquid/sludge carryover from the desorption process at the thermal desorber.

Compliance: Erica Carabott

- Mercury incinerator stack test – February 23rd, 2016.
- All new monitoring programs have been submitted to the MOE on December 15th 2015 and we are currently awaiting approval to implement them.
- The annual landfill report will be issued April 1, 2016 as we are moving to a calendar year.

Transportation: John McDonald

- No new updates.

Facility Administration: Devon Jamieson

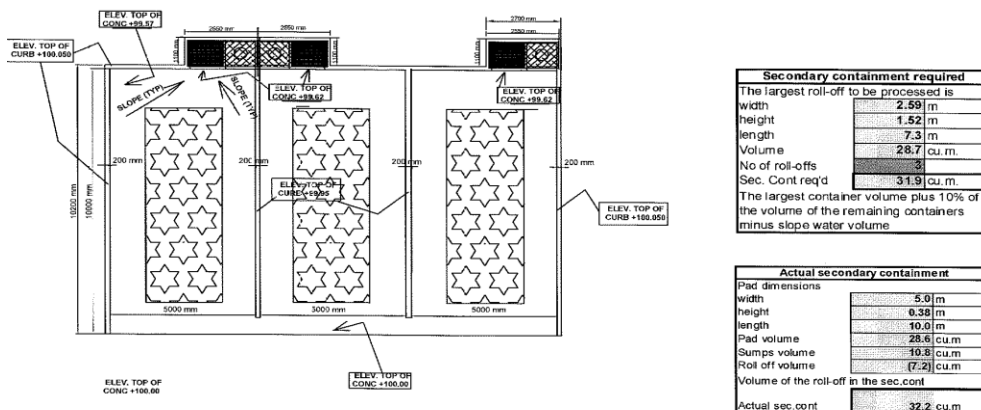
- The landfill expansion grand opening went very well with representation from our CLAC members, township counselors, employees and local media.
- The Good Neighbour program has been finalized and will be presented to the committee shortly to discuss changes made.

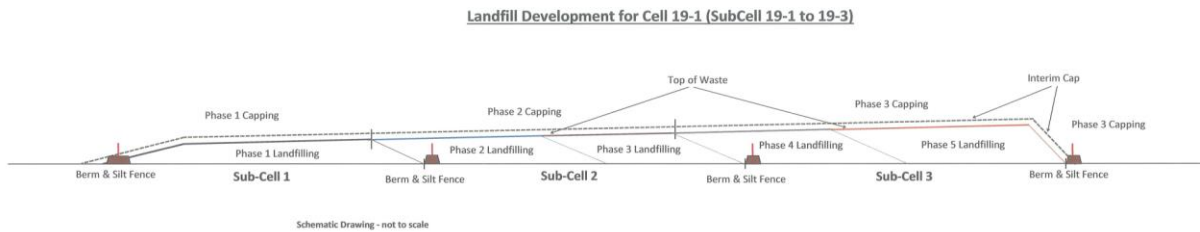
Ministry Report: Don Hayes

- Since the new ECA for the landfill has been issued Don has been pre-occupied with office documents.
- For fiscal 2015\2016 there were 2 odour complaints in total. Amazing accomplishments for the company with a real level of cooperation.
- There is one mercury order waiting for official reports, and one order for the new leachate tank.

SPL and Sub Cell amendments: Erica Carabott

- Application for amendment for the spl (spent potliner) area.
- We are currently limited to processing 3 boxes of SPL at one time and we are applying to be able to process 6.
- The application was submitted and we are awaiting to hear back.





- With our current amendment for the new landfill we are allowed to have 1 sub-cell open at one time. We have applied to have 2 sub-cells open at one time.
- The reason being we would only be able to fill to a certain level before tapering back down. A lot of landfill space would be lost.
- After sub-cell 1 is full, we can start to fill sub-cell 2 and at the mid fill point of sub-cell 2 we can start capping sub-cell 1.
- It was asked when sub-cell 1 will be full and it is expected 1 year to fill the first cell.

Open Discussion / New Business:

- None

Next meeting will be held on Tuesday April 12, 2016 at 5:00pm at Clean Harbors.

Please contact Devon Jamieson @ 519-864-3833 or e mail @ jamieson.devon@cleanharbors.com with any questions, comments or concerns regarding the minutes prior to the next meeting.



**COMMUNITY LIAISON & ADVISORY COMMITTEE
MEETING MINUTES**

April 12, 2016.

Lambton Facility Board Room

Attendees:

<i>Brian Murphy</i>	<i>Neighbour</i>
<i>Bill Allingham</i>	<i>Neighbour</i>
<i>Dave Robinson</i>	<i>Neighbour</i>
<i>Jim Elliott</i>	<i>Neighbour</i>
<i>Barry White</i>	<i>Neighbour</i>
<i>Paul Vandersteen</i>	<i>Neighbour</i>

<i>Devon Jamieson</i>	<i>Clean Harbors, Facility Administrator (Secretary)</i>
<i>Jim Brown</i>	<i>Clean Harbors, General Manager, Incinerator</i>
<i>John McDonald</i>	<i>Clean Harbors, General Manager, Landfill</i>
<i>Erica Carabott</i>	<i>Clean Harbors, Facility Compliance Manager (Chair of meeting)</i>
<i>Mike Parker</i>	<i>Clean Harbors, Director of Compliance (Chair)</i>

<i>Don Hayes</i>	<i>Ministry of the Environment, Provincial Officer</i>
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<i>Tracy Kingston</i>	<i>St. Clair Township Councillor</i>
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Regrets:

<i>Peter Gilliland</i>	<i>St. Clair Township Deputy Mayor</i>
<i>Paul Vandersteen</i>	<i>Neighbour</i>

Guests: Christine Rogers, Blair Williams, Dean Jacobs

1. Welcome

- The meeting was called to order at 5:15 pm.

2. Minutes from Last meeting

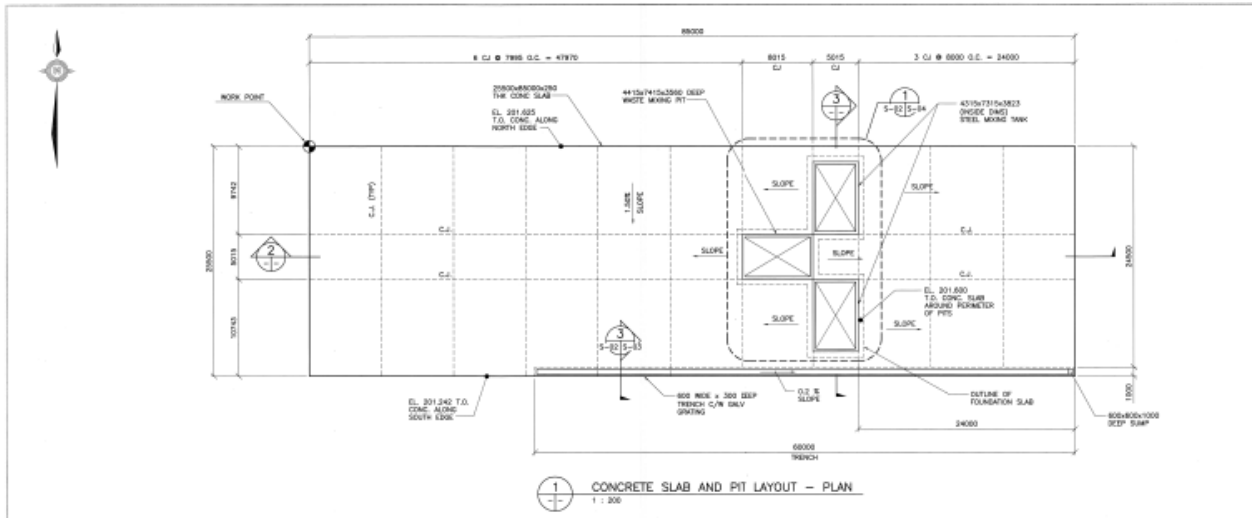
- Minutes from February 2016 meeting were approved by Dave Robinson, seconded by Jim Elliott and agreed upon by the committee.

3. Facility Updates – (Presentations were made)

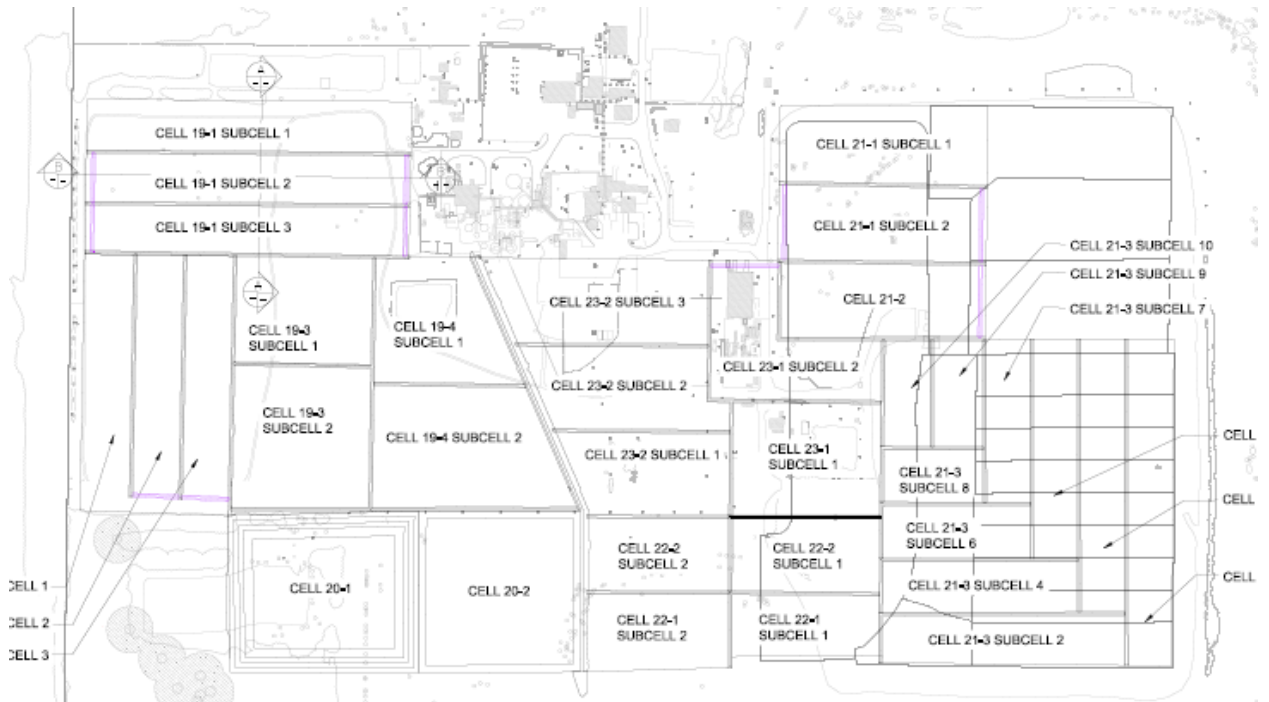
Landfill: John McDonald

- Shared pictures of the new landfill and the current cell we are landfilling on and went through the receiving process and how the loads make their way back to the landfill.

Waste Receiving Area

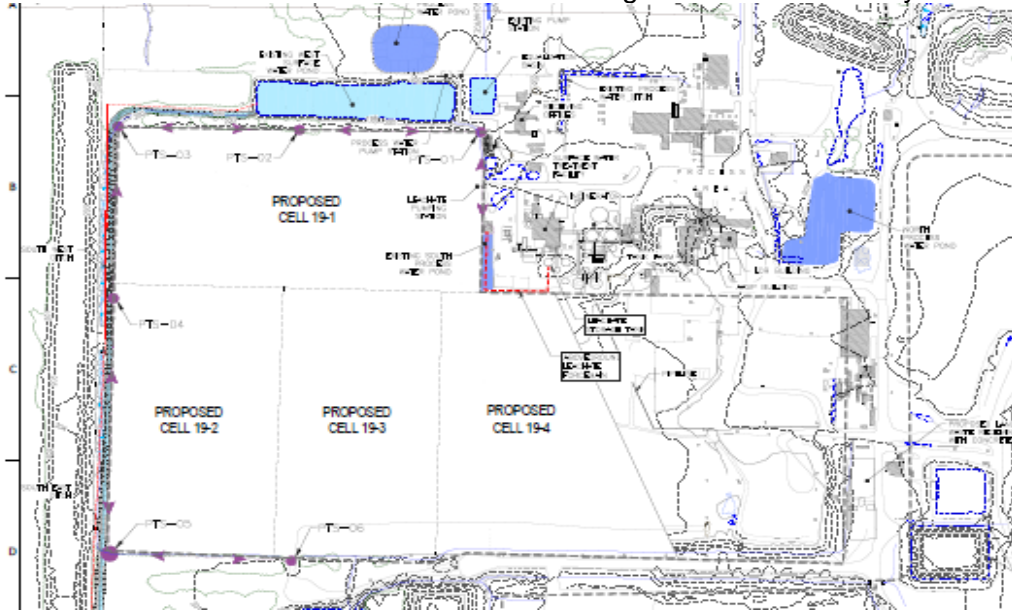


Cell Layout



Leachate Collection system

- Levels can be controlled from the leachate building via the automated system.

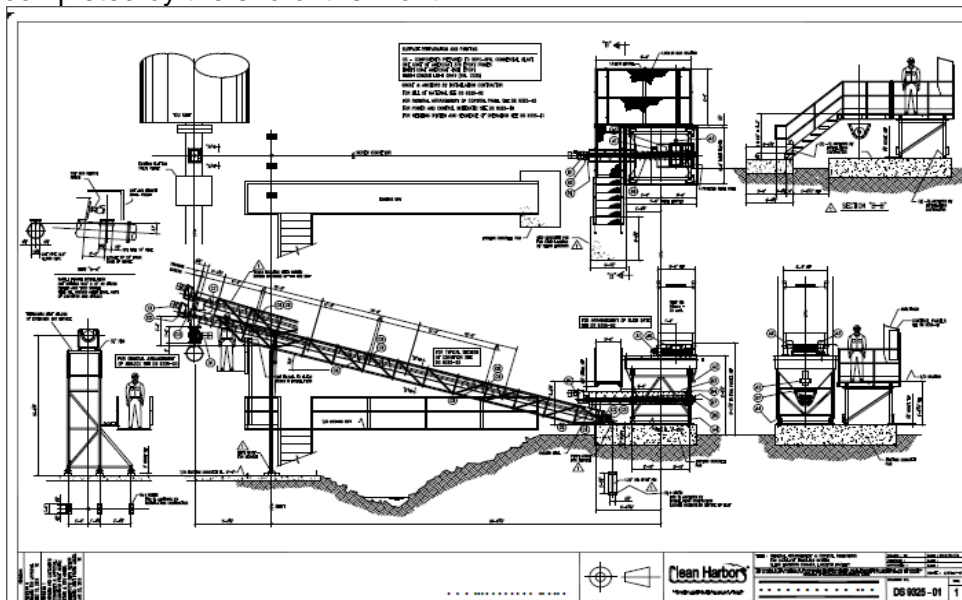


Incineration: Jim Brown

- Incinerator is running well, very few issues, no odour complaints and decent throughput.
- We have been busy with incoming waste especially high water based material (Lean).
- March 10, 2016 we were down for 7 days to remove slag and ash build up from the system.
- At this time we also removed and replaced worn refractory in the Primary section.
- Our next major shut down will be in July and we are looking at 7 to 10 days.

Thermal Desorber: John McDonald

- Catalyst feed system is expected to arrive at the end of this week. The first trial load should be completed by the end of the Month.



- Increasing the size of the blower and changed the ductwork to re-assign the flow.
- The lamella sludge handling system is still being looked at. A trial rotary screen that squeezed the mud to filter the lamella was used late 2015.
- Lamella is the liquid/sludge carryover from the desorption process at the thermal desorber.

Compliance: Erica Carabott

Annual Landfill Report

- One condition of our landfill ECA is the requirement of an annual report that details landfill activities and the onsite environmental monitoring programs conducted during the year.
- This annual report approaches 1,000 pages and presents a detailed compilation of the environmental monitoring programs conducted at the site in addition to a summary on the volumes of wastes received and details of any cell excavation work done during the reporting period.
- Issued end of March and covers the period of September 1, 2014 – December 31, 2015.
- Available on the Clean Harbors Website: <http://www.cleanharbors.com/locations/lambton/2015-annual-landfill-report.html>

Air Monitoring Report:

- Conducting an annual ambient air fence line monitoring program for more than twenty years.
- This includes a series of measurements at the fence line, for a selected group of compounds, in accordance with a monitoring plan that was approved by the MOECC.
- Results are compared each year with applicable MOECC air quality standards and criteria.
- Concurrent 24-hour sampling was conducted at two fixed locations - the north site and the south site.
- The two locations are based on the prevailing south to southwesterly wind directions.

Volatile Organic Compounds (VOCs)

Compound	CAS No.	Compound	CAS No.
Carbon Tetrachloride	56-23-5	Ethyl Benzene	100-41-4
Isopropyl Alcohol	67-63-0	Styrene	100-42-5
Acetone	67-64-1	1,4-Dichlorobenzene	106-46-7
Chloroform	67-66-3	1,2-Dibromoethane	106-93-4
Benzene	71-43-2	1,2-Dichloroethane	107-06-2
1,1,1-Trichloroethane	71-55-6	2-Propenenitrile	107-13-1
Vinyl Chloride	75-01-4	2-Methyl Pentane	107-83-5
Dichloromethane	75-09-2	MIBK	108-10-1
1,1-Dichloroethane	75-34-3	m/p-Xylene	108-38-3/106-42-3
1,1-Dichloroethene	75-35-4	1,3,5-Trimethylbenzene	108-67-8
Chlorodifluoromethane	75-45-6	Toluene	108-88-3
Trichlorofluoromethane	75-69-4	Chlorobenzene	108-90-7
Dichlorodifluoromethane	75-71-8	Hexane	110-54-3
1,1,2-Trichloro-1,2,2-Trifluoroethane	76-13-1	Cyclohexane	110-82-7
2-Methyl Butane	78-78-4	Nonane	111-84-2
1,2-Dichloropropane	78-87-5	1,2,4-Trichlorobenzene	120-82-1
MEK	78-93-3	Tetrachloroethene	127-18-4
Trichloroethene	79-01-6	Ethyl Acetate	141-78-6
Naphthalene	91-20-3	Heptane	142-82-5
o-Xylene	95-47-6	1,2-Dichloroethene (Cis)	156-59-2
1,2-Dichlorobenzene	95-50-1	1,2-Dichloroethene (Trans)	156-60-5
1,2,4-Trimethylbenzene	95-63-6	1,2,3-Trimethylbenzene	526-73-8
3-Methyl Pentane	96-14-0	3-Methyl Hexane	589-34-4
p-Cymene	99-87-6	o-Ethyl Toluene	611-14-3

TSP and Metals

Parameter	CAS No.
Total Suspended Particulate (TSP)	Not available
Lead	7439-92-1
Manganese	7439-96-5
Nickel	7440-02-0
Thallium	7440-28-0
Tin	7440-31-5
Antimony	7440-36-0
Arsenic	7440-38-2
Barium	7440-39-3
Beryllium	7440-41-4
Cadmium	7440-43-9
Chromium	7440-47-3
Cobalt	7440-48-4
Copper	7440-50-8
Vanadium	7440-62-2
Zinc	7440-66-6
Selenium	7782-49-2
Iron	15438-31-0

Carbonyls

Parameter	CAS No.
Formaldehyde	50-00-0
Acetone	67-64-1
Acetaldehyde	75-07-0
Benzaldehyde	100-52-7
Acrolein	107-02-08
Glutaraldehyde	111-30-8
Propionaldehyde (Propanal)	123-38-6
n-Butyraldehyde (n-Butanal)	123-72-3

Bio-Monitoring Report:

- Bio-monitoring commenced in 1991.
- Monitors concentrations, or presence/absence of selected chemicals in environmental media (grasses, soil, sediment, agricultural crops) to track any changes/ trends over time.

Table 1-1: List of Analytes, by Group, Monitored during the 2014 Biomonitoring Program, Lambton Facility

GROUP 1 ANALYTES		
Barium	Iron	Silicon
Beryllium	Magnesium	Silver
Boron	Manganese	Sodium
Calcium	Molybdenum	Strontium
Chloride	Nickel	Sulphur
Chromium	Phosphorus	Titanium
Cobalt	Potassium	Zirconium
GROUP 2 ANALYTES		
Aluminum	Copper	Thallium
Arsenic	Lead	Vanadium
Cadmium	Mercury	Zinc
GROUP 3 ANALYTES		
Dioxins/Furans (PCDD/DF)	Total Polychlorinated Biphenyls (PCB)	Pentachlorophenol (PCP)
Organochlorinated Pesticides (OCP)		

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- Overall, majority of higher level compounds detected were Group 1 inorganic analytes – which are naturally found and required nutrients in the environment (e.g. calcium, iron, phosphorus), and do not have a negative effect on plant, human or animal health.
 - No results from the Group 2 analytes (known to have toxicological effects in the environment) warranted any additional investigation.
 - Group 3 analytes (known toxins and/ or carcinogens) were not detected at levels of human or environmental concern.
 - Surface Water Monitoring Program:
 - Discharged for 49 days during reporting period.
 - Daily effluent monitoring conducted by onsite lab during discharge.
 - Statistical analysis
 - Consultants perform semi-annual sampling onsite and at 2 off-site locations and analyze this for a more comprehensive list of parameters.
 - Biomonitoring of the EQ pond:
 - Chemistry of the water
 - Benthic community
 - Toxicity testing:
 - Acute on semi-annual basis
 - Chronic on annual basis
 - ECA effluent criteria were not exceeded.
 - Statistical analysis did not show any detrimental long-term trends.
 - EQ pond continues to sustain a healthy fish population and benthic community.
 - Toxicity test results indicated no adverse effects on test organisms.
 - Groundwater Monitoring Report:
 - The goal of the monitoring program is to provide early detection of changes in groundwater quality at the site. To address this goal, monitoring wells have been installed along the perimeter of the Facility property.
 - Two monitoring events (as designed and approved by the MOECC) are completed on an annual basis in the spring and fall of each year.
 - The results are added to the existing database of information and used to produce updated groundwater elevation plans and 'concentration vs. time plots'. Statistical analysis of the chemical data is performed to distinguish between long-term trends and short-term "spikes" and anomalous data.
 - The water samples collected from the wells are analyzed for major and minor ions (fall 2014, spring 2015 and fall 2015), metals (spring 2015) and volatile organic compounds (VOCs) (spring 2015). Samples are analyzed against Ontario Drinking Water Standards & Provincial Water Quality Objectives.

The monitoring well network consists of:

- 33 shallow monitoring wells (24 on-site; 9 off-site)
- 25 deep monitoring wells including (19 on-site; 6 off-site)

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- 8 wells installed in and adjacent to Sub-cell 3
 - In general, Total Dissolved Solids (TDS), boron, chloride, sodium, fluoride, sulphate and barium were detected on occasion at concentrations above the ODWS in the shallow monitoring wells, within the historical range.
 - VOCs were not detected in the samples collected from the shallow wells in 2014/2015.
 - Water level monitoring at the wells installed in the remedial structures in Sub-cell 3 confirms that an inward hydraulic gradient is being maintained.
 - South berm monitoring: The chloride and sodium concentrations at these two wells fluctuate seasonally, but are within the historical concentration range for these two parameters.
 - Quarterly site inspections:
 - Consultant performed quarterly site inspections of the site on the following dates:
 - Third Quarter 2014 – September 8, 2014
 - Fourth Quarter 2014 – December 3, 2014
 - First Quarter 2015 – March 31, 2015
 - Second Quarter 2015 – June 24, 2015
 - Third Quarter 2015 – September 3, 2015
 - Fourth Quarter 2015 - December 4, 2015
 - The site inspections consist of a visual assessment of the landfill operations including the waste fill area, the excavated cell area, the landfill cap, berm construction and the surface water management system.
 - Mercury stack test on February 23, 2016
 - Result was 25.3 µg/Rm3
 - Limit is 50 µg/Rm3
 - Q1 Quarterly Inspection performed by consultant on March 22, 2016

Transportation: John McDonald

- No new updates.

Facility Administration: Good Neighbour Program Update: Mike Parker / Devon Jamieson

- Hard copies of the new proposed Good Neighbour Program were provided to the Liaison members.
- The only key changes that the Company is looking to make are to the property value protection plan. Changes were discussed with the members.
- The committee was given six weeks (May 24, 2016) to review the newly proposed program. Feedback can be sent into either Mike or Devon. Contact information has been given to the members of the committee.
- A registered letter with the proposed changes will be sent to all qualifying members and invite eligible parties to an open house with Clean Harbors to have an open discussion and discuss any feedback after the June meeting.

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- Question to Don H: Regarding the C of A, it makes mention to Clean Harbors making a reasonable effort to maintain the existing Good Neighbour Policy in respect to the site. Does this qualify as a reasonable effort? The question was already asked to the Ministry of the Environment and Climate control and their response was that they would not be involved with the Good Neighbour Policy. Don made mention that the Ministry have never been involved. It is in the Order in Council for the EA. It is not in the C of A.

Ministry Report: Don Hayes

- 123 Site Visits
- EA Completed
- 2 ECA amendments reviewed and issued.
- 10 Waste hauler inspections
- 12 Monthly inspections
- 1 Hazardous waste transfer processing inspection
- 2 HHW Site inspections
- 4 provincial officer orders, 2 are still active.
- 2 odour complaints over the whole year and were not substantiated.

Open Discussion / New Business:

- None

Next meeting will be held on Tuesday June 14, 2016 at 5:00pm at Clean Harbors.

Please contact Devon Jamieson @ 519-864-3833 or e mail @ jamieson.devon@cleanharbors.com with any questions, comments or concerns regarding the minutes prior to the next meeting.



**COMMUNITY LIAISON & ADVISORY COMMITTEE
MEETING MINUTES**

June 14, 2016.

Lambton Facility Board Room

Attendees:

*Brian Murphy
Bill Allingham
Dave Robinson
Jim Elliott
Barry White
Paul Vandersteen*

*Neighbour
Neighbour
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Neighbour*

*Devon Jamieson
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Clean Harbors, Facility Compliance Manager (Chair of meeting)
Clean Harbors, Director of Compliance (Chair)*

Tracy Kingston

St. Clair Township Councillor

Regrets:

*Peter Gilliland
Don Hayes*

*St. Clair Township Deputy Mayor
Ministry of the Environment, Provincial Officer*

Guests:

Dean Jacobs

1. Welcome

- The meeting was called to order at 5:15 pm.

2. Minutes from Last meeting

- Minutes from April 2016 meeting were approved by Paul Vandersteen, seconded by Bill Allingham and agreed upon by the committee.

3. Facility Updates – (Presentations were made)

Landfill: John McDonald

- Resurfacing of Roads
- Resurfacing of Scale approaches
- Construction of road to receiving cells and container compound
- Alignment of Haul road approach to Receiving cells
- Construction of alternate dump location for soil.
- Construction of replacement Leachate pond
- There has been a leachate system upgrade to include a weather monitoring station.

Incineration: Jim Brown

- Incinerator is running well, we had one down day in the month of May to wash out Spray Dryer and ducts.
- We also changed out 21 bags as they were showing signs of wear.
- We have been busy with incoming waste especially from local refineries as they work through their shut downs.
- We are not planning any shut downs for the month of June.
- July 1st 2016 at midnight we will be shutting down for two weeks.
- The major task for this shut down will be replacing the refractory in the Primary section of the incinerator.
- This will take 12 days and then we will have to cure refractory for an additional 2 days before we can start incinerating waste again.
- During the July shutdown we will also be doing the annual preventative maintenance on the equipment and utilities.
- We will be shutting power down to the entire plant on July 2/16 so we can inspect our sub-station and distribution system.
- The ID (Induced Draft) fan motor will be removed and a rebuilt one put in its place.

Thermal Desorber: John McDonald

- Installation and trials complete
- Minor modification needed to fully commission system
- Able to run RCRA waste as well as catalyst
- Several projects scheduled for July/August
- Luggage Lid Hydraulic System Upgrade
- Mixing Auger installation
- Trial was scheduled for 2 weeks in May
- Cancelled after 48 hours due to system inefficiencies
- Deemed not a viable option.

Compliance: Erica Carabott

- **Surface Water Monitoring Program:**
 - Conducted the spring sampling event in April.
 - EQ pond, West Retention Pond and East Retention pond were sampled prior to discharge.
 - EQ, West & East ponds, together with the 2 off-site locations sampled again within 25 to 35 days after discharge commencement.
- **Groundwater Monitoring Program:**
 - Spring sampling event was conducted during the first two weeks of May.
 - Year 3 of the well decommissioning program occurred on June 6th – 4 wells decommissioned.
- **Air Monitoring Program:**

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- The North sampling site was relocated to the top of the North perimeter berm, close to the North East corner.
 - The previous North site was within the perimeter fencing of the north property line (Petrolia Line) at the base of the sloped berm.
 - It was recommended by the MOECC that this site be moved to the top of the berm approximately 150 meters east of the previous location.
 - This new location will diminish possible obstructions between the monitoring site and the facility. The south site will remain at its present location and is south of the facility on a property at the corner of Telfer Road and Rokeby Line.
 - Sampling was commenced on May 12.
 - **Annual NPRI & GHG reports (Environment Canada) were submitted in May.**
 - The National Pollutant Release Inventory (NPRI) is Canada's legislated, publicly accessible inventory of pollutant releases (to air, water and land), disposals and transfers for recycling.
 - The Green House Gas (GHG) report is required for facilities that emit the equivalent of 50,000 tonnes or more of GHGs in carbon dioxide equivalent units (CO₂ eq) per year.
 - Consultant has been retained to perform the GHG report verification.
 - Mercury stack test set for June 21st.
 - The Q2 quarterly inspection by the consultant set for June 16th.
 - Tentative date for the Open House – September 21st.

Transportation: John McDonald

- No new updates.

Facility Administration: Good Neighbour Program Update: Devon Jamieson

- Any Suggestions or comments on the new suggested program were to be submitted by the 24th of May. Only a few comments by the committee were submitted. These comments were discussed.
- A meeting will be set up with all community Liaison and Good Neighbour members to discuss the newly proposed policy once the company has finalized the document.
- After everyone has had a chance to review and comment on the policy, the policy will be sent out for approval and finalized.
- Comments were submitted by Brian Murphy for the Company to review. The Company will review the comments and respond to Brian and the committee prior to the next CLAC meeting.

Ministry Report: Don Hayes

No Update, Don absent.

Open Discussion / New Business:

- None

**Next meeting will be held on Tuesday September 27, 2016 at 5:00pm at Clean Harbors.
Please contact Devon Jamieson @ 519-864-3833 or e mail @ jamieson.devon@cleanharbors.com with any
questions, comments or concerns regarding the minutes prior to the next meeting.**



**COMMUNITY LIAISON & ADVISORY COMMITTEE
MEETING MINUTES**

September 27, 2016.

Lambton Facility Board Room

Attendees:

<i>Brian Murphy</i>	<i>Neighbour</i>
<i>Bill Allingham</i>	<i>Neighbour</i>
<i>Dave Robinson</i>	<i>Neighbour</i>
<i>Jim Elliott</i>	<i>Neighbour</i>
<i>Barry White</i>	<i>Neighbour</i>
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<i>Erica Carabott</i>	<i>Clean Harbors, Facility Compliance Manager (Chair of meeting)</i>
<i>Tracy Kingston</i>	<i>St. Clair Township Councillor</i>

Regrets:

<i>Peter Gilliland</i>	<i>St. Clair Township Deputy Mayor</i>
<i>Don Hayes</i>	<i>Ministry of the Environment, Provincial Officer</i>
<i>Mike Parker</i>	<i>Clean Harbors, Director of Compliance (Chair)</i>
<i>Paul Vandersteen</i>	<i>Neighbour</i>

Guests: Dean Jacobs

1. Welcome

- The meeting was called to order at 5:15 pm.

2. Minutes from Last meeting

- Minutes from April 2016 meeting were approved by Tracy Kingston, seconded by Barry White and agreed upon by the committee.

3. Facility Updates – (Presentations were made)

Landfill: John McDonald

- Cell 19-1-1 is nearing capacity
- Cell 19-1-2 is scheduled for fall construction.
- Infrastructure work has been completed and construction of the leachate pond is underway.
- Repairs to the current pond cover will begin in the spring of 2017.
- The decommissioning of the South leachate pond is scheduled for completion in summer of 2017.

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- Cement kiln dust is being brought in to replace the flyash supply and 34,000MT will be delivered and stored by December 2016.

Incineration: Jim Brown

- Incinerator is running well, we had a twelve day shutdown the first two weeks of July.
- At the time of the shutdown there was a relining of the incinerator completed of both brick and gunnite.
- The site annual hydro inspection has been completed. This is in regards to the high voltage equipment.
- The oil was changed out on one of the transformers.
- The 800hp ID fan motor was replaced with a rebuilt one and the one that was removed is out being rebuilt.
- Four of the older horizontal tanks were removed this summer and will eventually be replaced with customized tanks.

Thermal Desorber: John McDonald

- The catalyst feed system is installed and fully operational.
- Future modifications will allow cooling of the post material for repacking.
- The baghouse system upgrade was made to provide better flow and provides a better capture of dust when the bucket lids are raised.
- Through lab trials, we have developed a process for solidifying the lamella with CKD. This process simplifies the operation and reduces the amount of sludge that goes to the incinerator.

Compliance: Erica Carabott

- **Surface Water Monitoring Program:**
 - Sampling was conducted in August of the on-site ponds. (EQ pond, West retention pond and East retention pond) and off-site.
- **Groundwater Monitoring Program:**
 - Fall sampling event is scheduled for the week of November 6th, 2016.
- **Air Monitoring Program:**
 - Sampling is ongoing. So far there have been no exceedances that have been recorded by the consultant.
 - TAGA was conducting air sampling during the week of September 19th.

Compliance Update Con't

- Annual NPRI & GHG reports (Environment Canada) were submitted in May. Consultants preformed the required GHG report verification, which was submitted to Environment Canada prior to September 1st.
- Stantec will be conducting soybean sampling on September 28th and 28th as part of the Biomonitoring program.
- Consultants preformed the following quarterly inspections;

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- Q2 quarterly inspection on June 23rd.
 - Q3 quarterly inspection on August 25th.

 - Mercury stack test was completed on July 20th. The Mercury result was 1.49 µg/Rm3 (Limit is 50 µg/Rm3).
 - The incineration stack test is scheduled for the week of October 17th.

Transportation: John McDonald

- No new updates.

Facility Administration: Good Neighbour Program Update: Devon Jamieson

- All neighbours have been mailed the new Good Neighbour document along with a copy of the original document.
- Areas of changes were highlighted for easy review.
- Any comments regarding the new document are to be submitted to either Mike Parker or Devon Jamieson before October 9th.
- The new good neighbour program will take effect November 1st 2016.
- It was requested for a copy of another site's document such as Twin Creek or BFI. A copy will be requested and if obtained, forwarded to the committee.
- The 2016 facility open house was a success. A special thank you to those present.
- The company will continue to hold the open house on site annually.

Ministry Report: Don Hayes

No Update, Don absent.

Open Discussion / New Business:

- None

**Next meeting will be held on Tuesday November 22, 2016 at 5:00pm at Clean Harbors.
Please contact Devon Jamieson @ 519-864-3833 or e mail @ jamieson.devon@cleanharbors.com with any questions, comments or concerns regarding the minutes prior to the next meeting.**



**COMMUNITY LIAISON & ADVISORY COMMITTEE
MEETING MINUTES**

November 22, 2016

Lambton Facility Board Room

Attendees:

*Brian Murphy
Bill Allingham
Dave Robinson
Paul Vandersteen*

*Neighbour
Neighbour
Neighbour
Neighbour*

*Devon Jamieson
Jim Brown
John McDonald
Erica Carabott
Mike Parker*

*Clean Harbors, Facility Administrator (Secretary)
Clean Harbors, General Manager, Incinerator
Clean Harbors, General Manager, Landfill
Clean Harbors, Facility Compliance Manager (Chair of meeting)
Clean Harbors, Director of Compliance (Chair)*

Tracy Kingston

St. Clair Township Councillor

Don Hayes

Ministry of the Environment, Provincial Officer

Regrets:

*Peter Gilliland
Barry White
Jim Elliott*

*St. Clair Township Deputy Mayor
Neighbour
Neighbour*

Guests:

1. Welcome

- The meeting was called to order at 5:15 pm.

2. Minutes from Last meeting

- Minutes from September 2016 meeting were approved by Tracy Kingston, seconded by Paul Vandersteen and agreed upon by the committee.
- It was asked for a follow up regarding the sharing of the used Good Neighbour Programs from other companies, Mike Parker explained that he felt it was not his business to be sharing other companies information however guided the committee to search the internet. Mike was willing to share the links

3. Facility Updates – (Presentations were made)

Landfill: John McDonald

- 19-1-1 Interim capping beginning next week

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- Capping southern ½
 - 19-1-2 construction to begin in December
 - Only opening ½ of the cell
 - Construction of leachate pond completed.
 - Repairs to Current pond cover to begin in the spring of 2017
 - Decommissioning of South Leachate pond to be completed Summer of 2017
 - Cement Kiln Dust is being brought in to replace flyash – truck volume reduce to 10 per day and will continue into 2017
 - East pond level being reduced to be prepared for Winter/Spring run off
 - West pond level increased to provide water for incinerator.

Incineration: Jim Brown

- Incinerator is running well, maintaining 90% or better of capacity.
- This Friday Nov 25/16 we are shutting down to remove slag from incinerator primary and secondary.
- After this shut down we are planning to run right through to March of next year.
- We will still require some short 20 hr shut downs during this time and will try to schedule when weather is milder if possible.
- We will be doing a visual inspection of the fire brick and refractory, inspect the bags in all compartments, washing all the ducts between secondary and baghouse, etc.
- Since the refractory and bags were just done this July we are not anticipating any major repairs will be needed.
- CEM will also be doing their servicing of all the analysers.
- Our annual stack testing was completed in October.
- We were able to maintain very good rates during the three days of testing.
- Results are not expected until first part of the new year.

Thermal Desorber: John McDonald

- 15000 MT of waste through TDU YTD
- 1800 MT currently in Inventory
- 1000 MT of soil in the dome.
- Operating between 1800 – 2200 MT/Mnth
- Heat traced and insulated vent line
- Insulation layer under rad
- Pipe blankets and heat jackets installed
- Structure build around cold sensitive areas

Compliance: Erica Carabott

- **Groundwater Monitoring Program:**
 - Fall sampling event was conducted the week of November 6.
 - MOECC split sampling conducted on a number of the wells.

- Incinerator annual stack test performed during the week of October 17.
 - Witnessed by MOECC officials.
 - Report expected January 2017.

- Consultant performed the following quarterly inspection:
 - Q4 quarterly inspection on November 10, 2016.
 - Facility received the approval to have 2 sub-cells open simultaneously (39,200 m²) in October 2016.

Transportation: John McDonald

- No new updates.

Facility Administration: Good Neighbour Program Update: Devon Jamieson

On October 13th a meeting was held between CHES and three members from the Good Neighbour community.

The following were suggestions and concerns made by the members to Clean Harbors;

1. Consider the impact on property values that a catastrophic incident could have.
2. Provide an updated map of the properties owned by Clean Harbors – Figure 1-Property Boundary map.
3. Include the names of the property owners on Appendix A – Eligible Properties

Clean Harbors Responses;

1. **Michael Parker has been away for the last month, however, we will be submitting some wording regarding impact to our corporate office for review.**
2. **An Updated Property owners list has been completed and attached below.**
3. **An updated property map is almost complete and will be forwarded to the committee for review.**

Ministry Report: Don Hayes

- The MOECC had their staff onsite to witness the stack test.
- Updated the financial assurance for the household hazardous waste.

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- The landfill financial assurance is complete and the incineration and tank farm should be completed shortly.

Open Discussion / New Business:

- Mike updated the committee regarding the sites efforts to obtain and regain customer waste streams. As we went through the EA process we lowered our rates but have not seen an increase in waste streams.
- We were expecting to see 120000 tons and we are looking around receiving 75000 tons.
- The MPAC is looking to come up with new assessment and property tax increases. They will be reassessed based upon their property values.
- The Ministry of Finance has recognized that we are very different from farm land and commercial land. There is an expected 30% increase in costs.
- The Ministry of the Environment has changed the fees in regards to HWIN manifesting system from 10\$/Ton, This year it was raised to 20\$/Ton and next year 30\$/Ton. There will also be a flat rate charge for manifests.
- Cap and Trade will also affect our site. They have written in a exemption for us which is yet to be clarified, but will be communicated to the committee. Looking to install a unit to reuse some of our site incineration energy.

Next meeting will be held on Tuesday February 7, 2017 at 5:00pm at Clean Harbors.

Please contact Devon Jamieson @ 519-864-3833 or e mail @ jamieson.devon@cleanharbors.com with any questions, comments or concerns regarding the minutes prior to the next meeting.